1		17 A	Adjustable bands
1	MISCELLANEOUS	17 B	Closed loops
2	ALBUM FASTENERS	17 AP	Plastic bands
2.5	GUN BAND TYPE	19	.With tighteners
3.1	ARTICLE HOLDER ATTACHABLE TO APPAREL OR BODY	268	Wedge
4	.Chatelaine safety hooks	269	Winder
5	.Chateraine safety mooks	270	Self-locking (dead center or
6	Pin attached		snap action)
7		271	Adjustable girth
8	.Napkin Hook	272	Rack bar
9		273	Lever
9 10 R	Neck enclosing .Pencil	274 R	Worm and tooth
10 R 11 R	Clasp attached	274 P	Pivotal worm band clamp
11 K 11 FE	Finger ear, belt attached	274 WB	Radial worm band clamp
II PE	pencil holder	275	Integral thread
11 PP	Pencil holder with paper clip	276	External thread
11 CC	Combined and convertible	277	Both ends threaded
11 CC	pencil holder	278	Radial screw
11 CT	Container type pencil holder	279	Tangential screw
11 HC	Separate pencil holder and	280	Adjustable girth
11 110	pocket engaging clip	281	Step adjustment
11 S	Sliding jaw pencil holding	282	Plural separable parts
11 5	clip	283	Wire
11 C	Wire pencil holder	284	Plural separable parts
11 F	Flexible shank pencil holder	285	Pivotal strap parts
11 M	With movable catch (e.g., pin	286	Plural wrap
	pivoted lever, roller, etc.)	20 R	.Metal bands
11 P	Pivoted jaw pencil holder	21	Separate connections
12	Pin attached	22	One piece
10 A	Rule holder	23 R	Sheet metal
15	.Sleeve holder (e.g., for inner	23 B	Buckle band connection
	coat)	23 W	Swedged sheet metal band
13	.Pin attached		connection
3.2	.Arm or leg carried holder	23 EE	End-to-end integral with
3.3	.Eyeglass holder including		band connecting means
	retaining means	24	Pivoted parts
3.4	.Neck supported holder	25	Wedging parts
3.5	.Holder contains pocket engager	26	Wire
	(e.g., antitheft device,	20 CW	Circumferentially swagged band
	wallet protector)		clamp
3.6	.Key ring holder	20 EE	End-to-end integral band end
3.7	.Receptacle type holder		connection
3.8	Eyeglass or spectacle case	20 TT	Ratchet and tool tightened band
3.9	.Open-ended holster type holder		clamp
3.11	.Article held by clip with spring	20 S	Spring closed band clamp
	(e.g., leaf, coil) member	20 LS	Screw locked band clamp
3.12	.Article held by clip	20 W	Swedged to lock band ends
3.13	.Article held by flexible	27	.Wire
	<pre>connector (e.g., chain)</pre>	28	Separate connections
16 R	BALE AND PACKAGE TIES, HOSE	29	Wire
	CLAMPS	30	.Wooden bands
17 R	.Packet holders	16 PB	.Plastic band
18	Cord	30.5 R	BAG FASTENERS

30.5 W	.Swedged bag tie	57	Adjustable
30.5 P	.Plastic band bag tie	58	Cord loop
30.5 F	.Resilient slot bag tie	59	Pivoted or sliding jaw
30.5 T	.Twist-to-close bag tie	60	Pin attached
30.5 L	.Slides to lock bag end within	61	
30.5 п	housing	62	Clasp attached
31 R	BELT FASTENERS	63	Pin attached
32	.Tighteners	64	
32 33 R	.Hinged	65	Separable fastener
33 A	3	66.1	.Tie, attached hook
33 F	Ring connected belt endsBent over flanged ends	00.1	.Magnetic, adhesive, or snap type fastener connects tie to shirt
33 P	Pintle pin connected belt ends	66.2	.Tie engaging loop with shirt
33 V	V and round belts		engaging fastener
33 L	Overlapped belt ends	66.3	.Tie knot engaging and collar
33 B	Sheet metal knuckles, common		attaching
	pintle	66.4	.Tie clip and shirt clasp
33 C	Wire knuckles, common pintle		attaching
33 K	Knuckle integral with belt	66.5	.Tie clip and fastening pin
	material	66.6	.Tie pin with shirt fastener
33 M	Multiple pintles interconnected	66.7	.Tie stiffener with shirt
2.4	V-belt type	66.8	fastener
34	Lacing	00.8	.With pivotal jaws having spring
35	One piece	66.9	means .Slider
36	Deflecting prong	66.11	
37	.Screw clamp	66.12	Ornamental
38	Splices		Key shaped
39	Wire	66.13	.Resilient clasp
31 B	.Butt connected belt ends	67 R	PAPER FASTENER
31 C	.V, round, trapezoidal belts	67.1	.With screw threaded or notch
31 F	.Flanged belt ends, connector hold ends	67.3	engaging securing means .Resiliently biased
31 L	.Lapped ends of endless belts	67.5	Including means to open or
31 H	.Hinged ends of endless belts	07.5	close fastener
31 W	.Wire strands reinforce belts	67.7	Pivotally mounted on pintle
31 V	.Velcro and zipper belt end	67.9	One piece
31 V	connection	67.11	Mounted on support means
40	BUTTONERS	67 AR	.Adhesive
41.1	CUFF HOLDER	67 CF	.Corner fastened
42	.Adjustable	67 P	.Paper-penetrating
43	.Sleeve clasp and button for cuff	68 R	STRAP TIGHTENERS
44	.Sleeve clasp and clasp for cuff	69 R	.Cam lever and loop
45	.Sleeve clasp and hook for cuff	70 R	Step adjusted
46	.Sleeve clasp and pin for cuff	70 SK	Ski boot and garment fasteners
47	.Sleeve pin and button for cuff	70 BR	Split ring tightener
48	.Pin fastener	70 CT	Chain and rope tighteners
49.1	NECKTIE FASTENER	70 TT	Tire chain tighteners
50	. Bands	70 ST	Strap tighteners
51	End-securing pin	70 J	Jewelry
52	Gripping	69 ST	Strap tighteners
53	Depressors	69 TT	Tie chain tighteners
54	Button engaging	69 CT	Cargo tie down
55	Pin or spur	69 CF	Cover fasteners
56	Fin of sput .Button engaging	69 T	Chain tighteners
50	. Ducton engaging	0,5 1	

69 TM	Strap tightener machine	385	.Having slider or interconnected
69 TS	Toggle actuated sliding jaw		sliders with access opening
69 J	Jewelry		for diverse-art-member
69 AT	Split ring with tightener	386	.Plural independently movable
69 FP	Concrete form panels		sliders
69 SB	Seat belt buckles	387	.With distinct, stationary means
69 WT	Chain, cable, wire tighteners,		for anchoring slider
OJ WI	and anchors	388	And for aligning surfaces or
60 55		333	obstructing slider movement
69 EF	Envelope fasteners	389	.With distinct member for sealing
69 SK	Ski boot and garment fasteners	309	
71 R	.Strap-attached folding lever	200	surfaces
71 T	Toggle latch	390	.With distinct separable-fastener
71 ST	Strap tightener	391	.Having coiled or bent continuous
71 TT	Tire antiskid strap tightener		wire interlocking surface
71 SB	Seat belts	392	With stringer tape interwoven
71 A	Split ring fasteners		or knitted therewith
71 J	Jewelry-watch straps	393	With stringer tape having
71 TD	Tie downs (covers, articles)		specific weave or knit pattern
71 CT	Cable, wire, rope tightener	394	With core encircled by coils or
71 SK	Ski boot and garment fasteners		bends
71 SD	Dress hem raisers	395	With mounting portion having
71.1	.Midline		structural formations
68 J	.Jewelry		complementary to stitching
68 SB	.Seat belt	396	Attached by stitching
		397	String or stringer tape having
68 AS	.Accordion straps		distinctive property (e.g.,
68 PP	.Parallel poles clamp		heat sensitive)
68 FP	.Form panels for walls	398	With stringer tape having
68 CD	.Cargo tie down	320	distinctive property (e.g.,
68 CT	.Chain tighteners		heat sensitive)
68 BT	.Split band with tightener	399	.Having interlocking surface with
68 TT	.Tire chain tighteners	322	continuous cross section
68 SK	.Ski, boot, and shoe fasteners	400	Opposed interlocking surface
68 A	.Fixed jaw with sliding or	400	having dissimilar cross
	pivoted jaw		section
68 B	.Rack and pinion and circular	401	.Having interlocking surface
	tighteners	401	3
68 C	.Circular flange container clamp		formed from single member with
68 D	.Strap stretching tools,	400	varying cross section
	tighteners, and sealers	402	Opposed surface having
68 E	.Buckle type	400	dissimilar cross section
68 F	.Integral piece	403	.Interlocking surface constructed
68 T	.Toggle		from plural elements in series
68 SC		404	Having either noninterlocking
	.Stocking top		element in, interrupted, or
72.1	TROUSER GUARDS, CLIPS, STRAPS		unequal length series
F0 F	(E.G., ABOVE SHOETOPS)	405	With element structural feature
72.5	BEDCLOTHES HOLDERS		unrelated to interlocking or
72.7	T-HEAD NONGRIPPING, FABRIC		securing portion
201	ENGAGING TYPE	406	Dissimilar opposed elements
381	ZIPPER OR REQUIRED COMPONENT	407	Wire element
	THEREOF	408	Preattached to mounting cord
382	.Plural zippers	409	Having interlocking portion
383	Zipper chain		with specific shape
384	Having surface sealing		
	structure		

410	Including symmetrical formations on opposite walls	433	.Including complementary, aligning means attached to
	for engaging mating elements		ends of interlocking surfaces
411	Including complementary formations on opposite walls	434	Having specific mounting connection or reinforcing
	for engaging mating elements		structure at connection
412	Mating elements having	435	.Including means attaching
	reversed orientation of		interlocking surfaces together
	formations	126	
410		436	.Including means for obstructing
413	Having mounting portion with		movement of slider
	specific shape or structure	437	SLIT CLOSING MEANS INCLUDING
414	Including embracing jaws		GUIDES ON OPPOSITE EDGES OF
415	.Slider having specific		SLIT AND SLIDABLE BRIDGING
	configuration, construction,		COMPONENT
	adaptation, or material	438	.With hand-actuated lever for
416	Including relatively movable		shifting bridging component
110	spaced wings (i.e.,	439	.Including structure linking and
		433	_
41.5	restraining walls)		allowing variations in
417	Including converging channel		separation between opposite-
	and relatively movable		guide-contacting portions of
	separator island		component
418	Including position locking-	440	.Having bridging components
	means attached thereto		attached in series along
419	Protrusion on pull tab		carrying element
	directly engaging interlocking	441	.Having separate, independently
	surfaces		movable, bridging components
420	Having surface engaging	442	INCLUDING READILY DISSOCIABLE
120		112	INCLUDING REMETEL DISCOURDED
	alamant shifted by		PACTEMED HANTING MIMEDOIG
	element shifted by		FASTENER HAVING NUMEROUS,
401	reorientation of pull tab		PROTRUDING, UNITARY FILAMENTS
421	reorientation of pull tabResilient or spring biased		PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH,
	reorientation of pull tabResilient or spring biased element		PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING
421 422	reorientation of pull tabResilient or spring biased elementSelectively shifted by		PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE
	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabs	206	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO")
	reorientation of pull tabResilient or spring biased elementSelectively shifted by	306	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener
422	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabs	306 443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener .With distinct structure for
422 423	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct spring		PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener
422 423 424	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating		PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener .With distinct structure for
422 423 424 425	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide post	443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener .With distinct structure for sealing securement joint
422 423 424	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing	443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener .With distinct structure for sealing securement joint .With feature facilitating,
422 423 424 425	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide post .Including means preventing bunching of structure-to-be-	443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") .Combined with diverse fastener .With distinct structure for sealing securement joint .With feature facilitating, enhancing, or causing
422 423 424 425 426	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringer	443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament
422 423 424 425	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or	443 444	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor
422 423 424 425 426	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging	443	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from
422 423 424 425 426	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringer .Having specific contour or arrangement of converging channel, separator island, or	443 444	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven
422 423 424 425 426	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging	443 444	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct,
422 423 424 425 426	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringer .Having specific contour or arrangement of converging channel, separator island, or	443 444 445	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric
422 423 424 425 426	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringer .Having specific contour or arrangement of converging channel, separator island, or wing	443 444	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape
422 423 424 425 426	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringer Having specific contour or arrangement of converging channel, separator island, or wing Spaced segments of each wall	443 444 445	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting
422 423 424 425 426	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-besecured or stringer Having specific contour or arrangement of converging channel, separator island, or wing Spaced segments of each wall of channel supported by different wings	443 444 445 446	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape
422 423 424 425 426 427	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wingsIncluding pull tab attaching	443 444 445	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting
422 423 424 425 426 427 428	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wingsIncluding pull tab attaching means	443 444 445 446	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface
422 423 424 425 426 427	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wingsIncluding pull tab attaching meansIncluding means for attaching	443 444 445 446	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface With feature facilitating or
422 423 424 425 426 427 428 429 430	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide postIncluding means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wingsIncluding pull tab attaching meansIncluding means for attaching components of slider together	443 444 445 446	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface With feature facilitating or causing attachment of
422 423 424 425 426 427 428 429 430 431	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wings .Including pull tab attaching means .Including means for attaching components of slider togetherWith ornamental slider	443 444 445 446 447 448	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface With feature facilitating or causing attachment of filaments to mounting surface Thermal or adhesive
422 423 424 425 426 427 428 429 430	reorientation of pull tab Resilient or spring biased element Selectively shifted by either of two pull tabs With relatively movable link Biased by distinct spring Having aperture cooperating with guide post .Including means preventing bunching of structure-to-besecured or stringer Having specific contour or arrangement of converging channel, separator island, or wing Spaced segments of each wall of channel supported by different wings .Including pull tab attaching means .Including means for attaching components of slider together With ornamental slider .With means for concealing	443 444 445 446 447	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface With feature facilitating or causing attachment of filaments to mounting surface Thermal or adhesive Having several, repeating,
422 423 424 425 426 427 428 429 430 431	reorientation of pull tabResilient or spring biased elementSelectively shifted by either of two pull tabsWith relatively movable linkBiased by distinct springHaving aperture cooperating with guide post .Including means preventing bunching of structure-to-be- secured or stringerHaving specific contour or arrangement of converging channel, separator island, or wingSpaced segments of each wall of channel supported by different wings .Including pull tab attaching means .Including means for attaching components of slider togetherWith ornamental slider	443 444 445 446 447 448	PROTRUDING, UNITARY FILAMENTS RANDOMLY INTERLOCKING WITH, AND SIMULTANEOUSLY MOVING TOWARDS, MATING STRUCTURE (E.G., "VELCRO") Combined with diverse fastener With distinct structure for sealing securement joint With feature facilitating, enhancing, or causing attachment of filament mounting surface to support therefor Having filaments formed from continuous element interwoven or knitted into distinct, mounting surface fabric Having filaments of varied shape or size on same mounting surface With feature facilitating or causing attachment of filaments to mounting surface Thermal or adhesive

450		202	2.1. 12.6.
450	.Having opposed structure formed	323	And separable fastening means
	from distinct filaments of	204	for attached fastener
	diverse shape to those mating	324	Snap fastener
4 - 1	therewith	325	Having roller means
451	.Having filaments constructed	326	.Clasp
	from coated, laminated, or	327	Having pivoted members
	composite material	328	Cam type member
452	.Having mounting surface and	329	Plural clasps
	filaments constructed from	330	And toggle operator
	common piece of material	331	Spring biased
287	FREIGHT CONTAINER TO FREIGHT	332	Coil
	CONTAINER FASTENER	333	And cam
288	DRUM OR CAN SPACER FASTENER	334	Coil spring biased
289	TRIM MOLDING FASTENER	335	Plural clasps
290	.Having externally threaded	336	Resilient type clasp
	attaching means	337	And cam
291	And laterally extending biasing	338	Spring biased jaw
	appendage	339	
292	.Having laterally extending	340	Circular work engageable
	biasing appendage		And pin attachment
293	.Resilient metal type	341	And disconnect means
294	Strip formed	342.1	Including a button fastening
295	Sheet metal formed		element
296	Wire formed	343	And hook
297	.Plastic type	344	Having intermediate connector
298	PLURAL FASTENERS HAVING		allowing movement
290		345	And adjustment means
200	INTERMEDIATE FLACCID CONNECTOR	346	Having gripping configuration
299	.Chain connector		on clasp jaw
300	.Elastic connector	347	Penetrating type
301	Strap connector	348	Having cam
302	.Strap connector	349	Having separable jaws
303	HAVING MAGNETIC FASTENER	350	And penetrating prong
304	HAVING ADHESIVE FASTENER	351	And pin
305	COMBINED DIVERSE MULTIPART	352	Having separate pin loss
	FASTENERS		prevention means
307	.Buckle	353	Pin coextensive, coplanar,
308	And buckles	333	and contiguous with clasp jaw
309	Having separate material	354	Pin coextensive, coplanar, and
	adjustment means	334	contiguous with clasp jaw
310	Having separate disconnect	355	Pin forms part of clasp jaw
	means		
311	Pivotal lever type	356	.Pin
312	Having disconnect structure	357	And pin
313	Resilient cooperating means	358	And disconnect means
314	And pin	359	Hook and eye type
315	Crossed belt accommodating	360	And hook
316	_	361	Having connector allowing
	And clasp		movement
317	And pin	362	Having intermediate connector
318	And hook		allowing movement
319	Having disconnect means	363	And hook
320	Having penetrating prong	364	Having intermediate connector
321	Buckle having plural receiving		allowing movement
	slots	365	And adjustment means
322.1	Including a button fastening	366	Hook having locking means
	element		-

367.1	Including a button fastening	113 R	.Covers
	element	113 MP	Metal or plastic caps
368	And penetrating prong	114	.Pads
369	.Hook	114.1	.Flexible button
370	And hook	114.2	.Swivel button
371	Having biasing spring	114.3	.Tufting type
372	Separately connected	114.4	.Button with cavity for friction
373	Having securing means		grip fastener
374	Sliding	114.05	.Button with shank for friction
375	Snap type		grip fastener
376	Pivoted	114.6	.Heat or adhesive secured type
377	Having penetrating prong	114.7	.Thread or wire through apertured
378.1	Including a button fastening		button
	element	114.8	.Eye shank type button
379.1	.Button fastening element	114.9	.Ornamental type
	including another fastener	114.11	.For cuff or collar
	element	114.12	.Fabric embracing
380	.Penetrating prong	712	DRAWSTRING, LACED-FASTENER, OR
89	INTERCHANGEABLE BUTTON LOOP AND		SEPARATE ESSENTIAL COOPERATING
	PIN		DEVICE THEREFOR
90.1	BUTTON WITH FASTENER	712.1	.Includes separate device for
90.5	.Loss-preventing devices		holding drawn portion of
91	.Adjustable		lacing
92	.Cloth shanks and covers	712.2	Device engages tie in lacing
93	.Multiple attachment	712.3	And fully covers tie
94	.Deflecting prong or rivet	712.4	Device engages element or
95	Anvil or plate		formation on lacing
96	Integral	712.5	Having relatively movable
97	.Hinged leaf		holding components or surfaces
98	Axially rotating	712.6	With pivotal connection
99	Double		therebetween
100	Sliding	712.7	With integral resilient
100 100.5	Sliding .Sliding bar	712.7	With integral resilient linking structure therebetween
	_	712.8	
100.5	.Sliding bar		linking structure therebetweenFormed from wireHaving lacing wound thereabout
100.5 101 R	.Sliding bar .Integral or rigid stud	712.8	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein
100.5 101 R 101 B	.Sliding bar .Integral or rigid studBent sheet metal (integral)	712.8	linking structure therebetweenFormed from wireHaving lacing wound thereabout
100.5 101 R 101 B 102 R	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link	712.8 712.9	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein
100.5 101 R 101 B 102 R	.Sliding bar .Integral or rigid studBent sheet metal (integral) .LinkIntegral rubber button,	712.8 712.9 713 713.1	<pre>linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly</pre>
100.5 101 R 101 B 102 R 102 A	.Sliding bar .Integral or rigid studBent sheet metal (integral) .LinkIntegral rubber button, extendable shank	712.8 712.9 713	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding
100.5 101 R 101 B 102 R 102 A	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected	712.8 712.9 713 713.1	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips
100.5 101 R 101 B 102 R 102 A 102 E 102 PL	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf	712.8 712.9 713 713.1	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked	712.8 712.9 713 713.1	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting	712.8 712.9 713 713.1 713.2	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff	712.8 712.9 713 713.1 713.2	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece	712.8 712.9 713 713.1 713.2	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached	712.8 712.9 713 713.1 713.2	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106	.Sliding bar .Integral or rigid studBent sheet metal (integral) .LinkIntegral rubber button, extendable shankExtendably connectedPivoted leafReleasably lockedFrench cuffTuftingIntegral piece .Pin attached .Separable	712.8 712.9 713 713.1 713.2 713.3 713.4	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106 107	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw .Spring	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5 713.6	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means .Having eyelet type directing means
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106 107 108	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw .SpringResilient headResilient socket	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means .Having eyelet type directing meansWith permanently deformed
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106 107 108 109	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw .SpringResilient headResilient socketRotating head	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5 713.6 713.7	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means .Having eyelet type directing means .With permanently deformed mounting structure
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106 107 108 109 110	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw .SpringResilient headResilient socketRotating headWith operating devices	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5 713.6	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means .Having eyelet type directing means .With permanently deformed mounting structureMounting structure formed from
100.5 101 R 101 B 102 R 102 A 102 E 102 PL 102 SL 102 FC 102 T 102 P 103 104 105 106 107 108 109	.Sliding bar .Integral or rigid stud .Bent sheet metal (integral) .Link .Integral rubber button, extendable shank .Extendably connected .Pivoted leaf .Releasably locked .French cuff .Tufting .Integral piece .Pin attached .Separable .Screw .SpringResilient headResilient socketRotating head	712.8 712.9 713 713.1 713.2 713.3 713.4 713.5 713.6 713.7	linking structure therebetweenFormed from wireHaving lacing wound thereabout or wedged therein .With holding means fixedly mounted on lacingAnd forming lacing tips .Includes lacing holding structure within directing means therefor .Having diverse shaped directing means for lacing .Having lacing directing means in particular pattern .Includes lacing guiding roller within directing means .Having eyelet type directing means .With permanently deformed mounting structure

713.9	.Having hook shaped directing	134 L	Fixed and movable jaws,
71/	means	124 37	movable jaw pulled
714	And movable component or surface for closing throat	134 N 134 P	Link-connected parallel jawsDual cam
5 141	_		
714.1	Mounted by structure allowing bodily movement thereof	132 AA	Pivotal means with plate aperture
714.2	Formed from wire	132 WL	Jaws locked together by cam,
714.3	With mounting structure formed		wedge, lever, or screw
	from different material	135 R	.Screw clamp
714.4	With permanently deformed	135 A	Screw clamp with snubber
	mounting structure	135 K	Tangential bolt
714.5	Expanding stud	135 L	J-shaped bolt
714.6	.Having loop or sleeve shaped directing means	135 N	Bolt perpendicular to cable axis
714.7	Entirely formed from flaccid	136 R	.Sliding part or wedge
	material	136 K	Rope looped about movable
714.8	Mounted by structure allowing		member
	bodily movement thereof	136 L	Rope clamped between cone and
714.9	Formed from wire		socket
715	With permanently deformed	136 A	Sliding ball
	mounting structure	136 в	Screw actuated
715.1	Loop or sleeve closed when	115 A	.Bendable, ductible
	mounted	115 F	.Safety release
715.2	Expanding stud	115 G	.Alignable aperture and spring
715.3	.Having elastic segment in lacing		pressed moving element
715.4	.Having means covering tip of	115 н	.Loop, adjustable
	lacing	115 J	.Snubbers, cleats by dielectric
715.5	Tasseled		loss
715.6	With plural components	115 K	.Loop engaging
715.7	With permanently deformed	115 L	.Ball or roller
	mounting structure	115 M	.Sliding wedge
114.5	STRAP CABLE OR PIPE BUTTON	115 N	.Helical preform
115 R	CORD AND ROPE HOLDERS	163 R	BUCKLES
116 R	.Chain	164	.Harness
116 A	Bead chain fasteners	165	Combined buckles and snap hooks
122.3	.Sheathed strand	166	Lock
122.6	.Plural-strand cord or rope	167	Key
127	.Friction disk	168	Clamping
128	.Knot engaging	169	One-piece
129 R	.One-piece	170	Pivoted part or lever
130	Wedge slot	171	Sliding part or wedge
131 R	Wire	172	Cross bails
131 C	Cord runs through center of	173	Pivoted stud plate
	coil	174	Rigid stud
129 B	Sheet material		Penetrating tongue
129 A	Slack adjuster	175	Guarded
129 D	Rubber	176	One-piece
129 C	Wire	177	Multiple
129 W	Swagged, deformable	178	Pivoted
132 R	.Pivoted part	179	Lever actuated
133	Lever tension	180	Stud
134 R	Cam lever	181	Sliding part or wedge
134 KA	Laterally shifted rope	182	Strap loops and attaching
134 KB	Cam engaging or disengaging		devices

100	- 11.77	160	
183	Loop shields	468	With separate flaccid flap or
184	.Garment shielded		pocket for protecting
105	.Combined pressure bar and guard	1.00	structure-to-be-secured
185	Hook attached	469	With separate, cavity-blocking
	.Penetrating prong	470	gate on receiving member
186	One-piece	470	
187	Hook attached	471	receiving member
188	Pivoted	4/1	Inserted or receiving member
189	Hook attached		substantially covered or coated for protection or to
190	Slide		promote gripping
191	.Pivoted lever	472	Resilient inserted member
192	Hook attached	473	Having engaging face formed
193	Looped strap	1/3	from nonmetallic material
194	.Sliding part of wedge	474	Having head and neck type
195	Hook attached	7/7	engaging face
196	Looped strap	475	Having internal supporting
197	.Looped strap	4/3	or reinforcing element
198	.One-piece	476	Circular head or neck
199	Hook attached	477	
200	Looped strap	4//	Having wedge shaped, inserted and receiving members
163 FC	.Fabric covered	478	With specific means for
163 K	.Ornamental and/or object	470	attaching to flaccid strap or
	supported		supporting strap
705	PIERCED EARRING FASTENER	479	On the inserted member
453	INDEPENDENT, HEADED, APERTURE	480	Having necked button sliding
	PASS-THROUGH FASTENER	100	along length of closed,
454	FASTENER WITH REVOLVING COMPONENT		variable width loop
	WRAPPING STRUCTURE-TO-BE-	481	.Having flaccid gripping member
	SECURED ABOUT FASTENER	482	Formed from elastic material
455	CLASP, CLIP, SUPPORT-CLAMP, OR	-	
		483	Engiraling gripping member
	REQUIRED COMPONENT THEREOF	483	.Encircling gripping member
456	.Gripping member adapted for tool	483	including semirigid band and
	.Gripping member adapted for tool actuation or release		including semirigid band and operator for tightening
456 457	.Gripping member adapted for tool actuation or release .With specific mounting means for	483	<pre>including semirigid band and operator for tightening .Encircling gripping member</pre>
	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or		including semirigid band and operator for tightening.Encircling gripping member including semirigid band and
	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure		<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth</pre>
457	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-secured	484	<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped,</pre>
	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture	484	<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth</pre>
457	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or	484	<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure</pre>
457 458	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured	484	<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently</pre>
457 458 459	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping members	484	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or
457 458 459 460	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted bar	484 485	<pre>including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps</pre>
457 458 459	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking	484 485	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral
457 458 459 460 461	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking means	484 485	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to
457 458 459 460 461 462	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar	484 485 486	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion
457 458 459 460 461	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated	484 485 486	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid
457 458 459 460 461 462 463	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force	484 485 486	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral,
457 458 459 460 461 462	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving	484 485 486 487	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces
457 458 459 460 461 462 463	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-secured .For cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected	484 485 486 487 488	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis
457 458 459 460 461 462 463 464	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected by bendable, nonbiasing strap	484 485 486 487	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis .Including pivoted gripping
457 458 459 460 461 462 463 464	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected by bendable, nonbiasing strapDiscrete flaccid strap	484 485 486 487 488	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis .Including pivoted gripping member
457 458 459 460 461 462 463 464	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected by bendable, nonbiasing strapDiscrete flaccid strapWith distinct means for	484 485 486 487 488 489 490	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis .Including pivoted gripping memberPivoted member also slides
457 458 459 460 461 462 463 464	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected by bendable, nonbiasing strapDiscrete flaccid strapWith distinct means for preventing separation of	484 485 486 487 488	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis .Including pivoted gripping member
457 458 459 460 461 462 463 464	.Gripping member adapted for tool actuation or release .With specific mounting means for attaching to rigid or semirigid supporting structure or structure-to-be-securedFor cooperating with aperture in supporting structure or structure-to-be-secured .Dissociable gripping membersChannel and inserted barHaving operator or locking meansResilient channel or bar .Having gripping member actuated by fluid force .Having inserted and receiving interlocking members connected by bendable, nonbiasing strapDiscrete flaccid strapWith distinct means for	484 485 486 487 488 489 490	including semirigid band and operator for tightening .Encircling gripping member including semirigid band and means for adjusting girth .With specifically shaped, nongripping, rigid structure for connecting independently operable clasps, clips, or support-clamps .Gripping member face integral with or rigidly affixed to screw-driving portion .Having either discrete flaccid or thin, nonbiasing, integral, connecting hinge .Having equally spaced or continual gripping faces revolving about central axis .Including pivoted gripping memberPivoted member also slides

492	Pivoting gripping member either	524	With operator for moving guided
	supports or coacts with	F.O.F.	member
493	sliding engaging face	525	Threaded cylindrical rod and
493	Having three or more pivotally connected gripping members	526	mating cavity
494	Having toggle operator for	520	Track or way oblique to path of gripping member
コノコ	moving	527	
495	Having rigid linking arm	327	With position locking-means for gripping members
1)]	pivotally connected to each	528	
	gripping member	529	Integral locking-means
496	With extended lever portion	549	With specific mounting means
497	Having lever end modified for		for attaching to flaccid
4 27	attachment to support		<pre>supporting structure or structure-to-be-secured</pre>
498	Pivoted gripping member applies	530	.Having gripping member formed
490	camming force	530	
499	Spring or resiliently biased		from, biased by, or mounted on, resilient member
433		531	Integrally combined,
500	about pivot	231	independently operable,
	Distinct spring		diverse clasps, clips, or
501	Attached solely by spring		support-clamps
502	With operator for moving	532	With specific means for
F02	pivoted member	332	mounting to flaccid supporting
503	Camming or wedging element		structure or structure-to-be-
504	Pivoted or rotated element		secured
505	With position locking-means	533	Mounting means made entirely
	for gripping members	555	from integral wire portion of
506	Including pivoted arm		resilient gripping member
507	Having specific surface	534	Wire coiled about flaccid
	material or irregularity on or	331	support structure
	along engaging face	535	With operator for moving biased
508	Having specific handle	333	engaging face
	structure	536	Camming or wedging element
509	Coil spring	537	Encircling sleeve type
510	Having coil portion coaxial	557	element
	or parallel with pivotal axis	538	Pivoted or rotated element
511	Flat or leaf spring	539	Element pivots or rotates in
512	Closed by gravity or weight of	539	plane parallel to plane
	structure-to-be-secured		bisecting opposed engaging
513	With operator means for moving		faces
	pivoted member	540	Elongated element with pivot
514	Threaded cylindrical rod and	340	between cam and handle
	mating cavity		portions
515	Camming or wedging element	541	For moving engaging face of
516	Pivoted or rotated element	241	U-shaped gripping member
517	With position locking-means for	542	With position locking-means for
	gripping members	342	_
518	Integral locking-means	543	engaging faces
519	Having inserted and receiving		Integral locking-means
	interlocking engaging faces	544	Pivoted lock member
520	Resilient gripping member	545	Opposed engaging faces on
521	Having specific surface		gripping member formed from
	material or irregularity on or		single piece of resilient
	along engaging face		material
522	.Including track or way guided		
	and retained gripping member		
523	Biased by distinct spring		

546	Piece totally forms clasp, clip, or support-clamp and has	568	.Having gripping member shifted by operator
	shaped, wirelike, or bandlike configuration with uniform	569	Threaded cylindrical rod and mating cavity
	cross section throughout its length	570	.Formed from single rigid piece of material
547	Opposed faces located in and bias towards common plane in	571	Having specific surface irregularity on or along
	nonuse position		engaging face
548	Resilient gripping member	572.1	SEPARABLE-FASTENER OR REQUIRED
549	having tightly twisted portion		COMPONENT THEREOF (E.G.,
349	Resilient gripping member having coiled portion		PROJECTION AND CAVITY TO COMPLETE INTERLOCK)
550	Convolutions of coil form	573.09	.With third detached member
330	faces	373.07	completing interlock (e.g.,
551	Relatively movable segments		hook type)
	of resilient gripping member	573.11	Quick connect or release (e.g.,
	contact and cross in nonuse		spring and detent)
	position	574.1	For jewelry
552	Segments form opposed	575.1	Including eyelet (e.g., shoes)
FF2	engaging faces	576.1	For key holder
553	Having specific handle structure	577.1	For tire chain, strap, etc.
554	Having specific handle		<pre>(e.g., rotatable or sliding spring gate)</pre>
331	structure	578.1	For apparel and related
555	Terminal end of resilient	370.1	accessories
	member having engagement or	578.11	Button, button related
	disengagement enhancing	578.12	Snap (e.g., key hole type)
	structural modifications	578.13	Post and receiver(e.g., pin
556	Having specific surface		and slot)
	irregularity on or along	578.14	Hook (e.g., within cavity)
557	engaging faceHaving specific handle	578.15	Belt, strap, etc. (e.g.,
557	structure	550 16	buckle or snap fastener)
558	Movably attached to gripping	578.16	Glove
	member	578.17 579.09	Purse, wallet, etc.
559	Interlocking faces	579.09	<pre>Belt, strap, harness, etcFor safety belt buckle, strap,</pre>
560	With reinforcing member	377.11	harness, etc.
561	Having specific surface	580.1	Sliding or rotating element
	irregularity on or along	580.11	Element having key slot
	engaging face	581.1	Resilient element (e.g., snap
562	Corrugated or toothed face		type)
563	Clasp, clip, or support-clamp	581.11	For upholstery, panel, trim
	<pre>cut or shaped from a single sheet of resilient, uniformly</pre>		strip, etc. (e.g., spring
	thick, planar material	=01 10	biased)
564	Having specific surface	581.12	Link with pivoted gate
	material or irregularity on or	582.1 582.11	Hook
	along engaging face	302.11	Snap with spring bias (e.g., gate)
565	Having specific handle	582.12	For connecting chains (e.g.,
	structure	202.12	opposed pivoted hook)
566	Including resilient biasing	582.13	For heavy load bearing device
567	wireCoiled wire		(e.g., chain, rope, cable,
507	Colled wile		etc.)

582.14	Haim, harness, whiffletree, rein, etc.	598.5	Plural hooks entering opposite sides of same cavity
583.1 583.11	For chain, rope, cable, etcCoupler with sliding socket to	598.6	Hooks formed solely from wire
	complete interlock	598.7	Noninserted portion of
584.1	.Each mating member having similarly shaped, sized, and operated interlocking or		projection member includes movably connected gate for closing access throat
	intermeshable face	598.8	Threaded gate
585.1 585.11	<pre>Zipper-type (e.g., slider)For garment (e.g., with ribs</pre>	598.9	Revolvably mounted disc shaped gate
	and grooves interlocking	599.1	Pivotally connected gate
	elements)	599.2	Gate swings transversely to
585.12	For container (e.g., bag)		plane of hook
586.1	Resilient element	599.3	Gate also slides relative
586.11	Snap (e.g., identical		to pivot
587.1	elements)Clasp (e.g., spring type)	599.4	Having means biasing gate about pivot
587.11	For jewelry (e.g., buckle	599.5	And position locking-means
337,121	type)	0,7,0	for gate
587.12	For belt or strap	599.6	Includes distinct biasing
588.1	Hook		spring
588.11	For belt, strap, etc. (e.g.,	599.7	Coil type spring
	<pre>with pivoted gate locking member)</pre>	599.8	Coiled about pivotal axis of gate
588.12	For apparel	599.9	Having position locking-
589.1	Slot and tab or tongue		means for gate
590.1	Sliding or rotating element	600.1	Locking-means pivotally
591.1	.Including member having distinct		connected
	formations and mating member selectively interlocking	600.2	Locking-means slidably mounted
	therewith	600.3	Gate closes when structure-
592.1	Hook		to-be-secured is tensioned
592.11	Multiple catch (e.g., with	600.4	Track or way guided gate
	pivoted gate)	600.5	Having means biasing gate
593.1	Slot and tab or tongue	600.6	Guide of gate encircles
593.11	Having teeth or serrations		shank
	<pre>(e.g., sliding with respect to each other)</pre>	600.7	Cavity in shank forms track or way
594.1	Resilient element (e.g., with spring)	600.8	With position locking- means for gate
594.11	Snap with cavity	600.9	Resilient, self-biased gate
595.1	Pin, post and receiver	601.1	With position locking-means
596.1	Notched clasp (e.g., with	001.1	for gate
370.1	receiving slot)	601.2	Gate and hook formed from
598.1	Projection passes through	001.2	plastic
	cavity then moves toward noninserted portion of its	601.3	Gate and hook formed solely from wire
	<pre>member to complete interlock (e.g., snap hook)</pre>	601.4	Gate and hook formed from single piece of sheet metal
598.2	Entire projection member forms	601.5	Projection pivotally attached
	loop or ring when interlocked	001.0	to shank or mounting structure
598.3	Includes slidable gate	601.6	Projection slidably mounted
-	closing entrance throat	001.0	to shank or mounting structure
598.4	Hook type projection member		co shame or mountaing structure

601.7	Projection self-biased towards shank or mounting structure	621	Plastic deformation of means or surface required for mounting
601.8 601.9	And formed solely from wireCooperating with relatively stationary wire gate	622	Having separate mounting means encompassing cross section of projection
602	Interlocking portion actuated or released responsive to	623	Having dome-shaped head and expansion slit along side
	<pre>preselected condition (e.g., heat, pressure)</pre>	624	And connected surface at tip of head
603	Having electric or fluid powered, actuation or release, of interlock	625	Having inserted end formed by oppositely biased surface segments
604	Projection having movable	626	Constructed from wire
	connection between components thereof or variable configuration	627	<pre>Having both resiliently biased and rigid components forming external surface of</pre>
605	With additional, similar		projection
	projection for engaging different cavity	628	Projection member including noninserted spring for
606	And operator therefor		engaging and pushing against
607	Including camming or wedging	600	receiving member
608	element on projection memberPivotally attached element	629	Receiving member includes either movable connection
609	Including pivotal connection		between interlocking
000	between projection components		components or variable
610	Component slides relative to		configuration cavity
	connection	630	With additional cavity for
611	And spring or resilient	C 2 1	engaging different projection
	extension biasing about pivot	631	Having common means actuating
612	Including slidably guided		or releasing interlocking components or surfaces
	connection between nonself-	632	And interlocking with
613	biasing projection componentsAnd distinct spring biasing	032	independently associated or
013	component		dissociated projection members
614	Including resiliently biased	633	And operator therefor
	projection component or	634	For plural, oppositely
	surface segment		shifting, similar interlocking
615	Requiring manual force		components or segments
	applied against bias to	635	Operator includes camming or
63.6	interlock or disengage	636	wedging element
616	Having connected leading	030	Including pivotally connected element on receiving member
	edge and separated trailing arms	637	For shifting pivotally
617	Cooperating with cavity		connected interlocking
	having side walls and axially		component
	biased component capping end	638	Element and component pivot
618	Forming total external		about same axis
	surface of projection	639	For shifting slidably
619	And encircling hollow		connected and guided, nonself-
	central area	C 4 0	biasing interlocking component
620	Having separate mounting means inserted into area	640	Including slidably connected and guided element on receiving member

641	<pre>For shifting pivotally connected interlocking</pre>	660	Component formed solely by flaccid cord
	component	661	With nonflaccid component
642	For shifting slidably	662	Having resiliently biased
	connected and guided, nonself-		interlocking component or
	biasing, interlocking		segment
	component	663	Cavity or projection rotates
643	Having pivotally connected	003	about axis of cavity to
013	interlocking component		dissociate
644	Blocking removal of formation	664	Requiring manual force
011	on projection from	004	
	complementary formation on		applied against bias to
		665	interlock or disengage
6 1 E	side wall of cavity	665	And partially blocking
645	And position locking-means		separate, nonresilient access
- 1 -	therefor		opening of cavity
646	And relatively movable handle	666	And closed elongated access
	therefor		opening for guiding transverse
647	Requiring manual force		projection travel after
	thereon to interlock or		insertion
	disengage	667	Nonresilient walls define
648	Plural, oppositely shifting,		opening
	similar interlocking	668	Formed from wire
	components	669	And access opening with
649	Having aperture therein		gapped perimeter for allowing
	alignable with parallel access		movement of noninserted
	opening		projection support therepast
650	Having interlocking portion	670	Cavity constructed solely
	thereof housed continuously	0,0	from wire
	within cavity	671	Partially blocking separate,
651	Having cavity with side walls	071	nonresilient, access opening
031	and axially biased component		of cavity
	capping end	672	-
652	Having slidably connected,	0 / 2	<pre>And bodily shifted into or out of interlock location by</pre>
052			manual force thereon
	nonself-biasing interlocking	672	
653	component	673	Formed from wire
653	Blocking removal of formation	674	Having curved or bent
	on projection from		engaging section conforming to
	complementary formation on		contour of projection
	side wall of cavity	675	Similar, distinct sections
654	And position locking-means	676	Having distinct sections
	therefor		engaging projection at spaced
655	And relatively movable handle		points
	therefor	677	Including separate,
656	Requiring manual force		nonprojection-engaging spring
	thereon to interlock or		for biasing
	disengage	678	Biased component or segment
657	Plural, oppositely shifting,		entirely formed from wire
	similar interlocking	679	Having portion of cavity
	components		deformed during mounting
658	Having closed aperture	680	And cooperating with
	therethrough alignable with		separate mounting component
	parallel access opening	681	Having axially extending
659	Having flaccid component	001	
	defining access opening of		expansion slit along side of
	cavity		cavity

682.1	Means for mounting projection	706.3	Means detachable from or
	or cavity portion		flaccidly connected to pin
683	Allows bodily movement		(e.g., hatpin type)
	facilitating interlock	706.4	For pin having plural
684	About pivotal connection		penetrating portions
685	Includes resilient component	706.5	Including relatively movable
	separate from portion		guiding, holding, or
686	Allows relocation of portion		protecting components or
687	Having component of means		surfaces
00.	permanently deformed during	706.6	Having operator for moving
	mounting operation		holding component or surface
688	And formed from or fixedly	706.7	Moves pivoting holding
000	attached to projection or		component
	cavity portion	706.8	Moves slidably guided,
689	Cooperates with detached	,00.0	nonself-biasing, holding
009	component of means		component
690	-	706.9	Having pierceable (e.g.,
690	Having shape facilitating	700.5	cork) or naturally resilient
CO1	impaling of mounting surface		(e.g., rubber) surfaces
691	And inserted into or through	707	With pivotal connection
	cavity or projection	707	therebetween
692	And encircling cavity or	707 1	
	projection	707.1	With slidable connection
693	Consisting of thermally		between nonself-biasing
	fusible substance	F0F 0	components
694	Having threaded formation	707.2	Having resiliently biased
695	Having specific structure for		component or surface
	cooperating with stitching	707.3	Coiled about longitudinal
696	Having shape facilitating		axis of held portion
	impaling of mounting surface	707.4	And aperture therein
697.1	Plural distinct cavities or		alignable with another spaced
	projections		aperture of means
697.2	Hook type	707.5	And nonresilient structure
698.1	Hook-shaped projection member		for guiding portion thereto
	passing through cavity	707.6	Including structure for
698.2	Formed from single piece of		cooperating with formation
	sheet metal		(e.g., cavity) formed on
698.3	Formed solely from wire		penetrating portion
700	Cavity having specific shape	707.7	For pin having plural
701	Including closed elongated		penetrating portions
, 51	access opening for guiding	707.8	Each independently movable
	transverse projection travel		towards and into cooperation
	after insertion		with means
702	Having access opening with	707.9	Including relatively movable
, 02	gapped perimeter for allowing		guiding, holding, or
	movement of noninserted		protecting components or
	projection support therepast		surfaces
706	PIN OR SEPARATE ESSENTIAL	708	With connection allowing
, 0 0	COOPERATING DEVICE THEREFOR		component to revolve about
706.1	.With separately operable,		axis of held penetrating
,	manually releasable,		portion
	nonpenetrating means for	708.1	With pivotal connection
	mounting (e.g., drapery hook)		therebetween
706.2	.Having distinct guiding,	708.2	Having position locking means
	holding, or protecting means		therefor
	for penetrated portion	708.3	Spring or resiliently biased
	-11 Foundation Boldfoll		

components 710.6Connection allows movement therebetween axis of held penetrating portion 710.8Resilient connection 710.8Resilient connection 710.8Formed from common wire on penetrating portion 711And pointing in same direction 712Having nonresilient and resilient components 713Means formed from single resilient wire 714Means formed from single resilient wire 715Means formed from resilient sheet metal 716Connection allows movement therebetween 710.7Slidable connection 710.8Formed from common wire 710.9Having pointing in same direction 711And pointing in same direction relatively movable structure for resisting extraction 711.2Having specific wire penetratin portion sheet metal 711.3Wire curved or bent 711.4Having distinct head structure 711.5Movably connected to	e ng
portion 710.8Resilient connection 708.6Means engages formation formed 710.9Formed from common wire on penetrating portion 711And pointing in same direction 708.7Having nonresilient and resilient components relatively movable structure 708.8Means formed from single for resisting extraction resilient wire 711.2 .Having specific wire penetrating portion sheet metal 711.3Wire curved or bent 709With independent, spaced, 711.4 .Having distinct head structure	e ng
708.6Means engages formation formed on penetrating portion 711And pointing in same direction 708.7Having nonresilient and resilient components 711.1Penetrating portion includes resilient components relatively movable structure for resisting extraction resilient wire 711.2Having specific wire penetrating portion sheet metal 711.3Wire curved or bent 711.3Wire curved or bent 711.4Having distinct head structure 711	e ng
on penetrating portion 711And pointing in same direction 708.7Having nonresilient and resilient components 711.1Penetrating portion includes resilient components relatively movable structure for resisting extraction resilient wire 711.2Having specific wire penetrating portion sheet metal 711.3Wire curved or bent 711.3Wire curved or bent 711.4Having distinct head structure 711.4Having distinct head structure 711.4Having distinct head structure 711.4And pointing in same direction relatively movable structure 711.1And pointing in same direction relat	e ng
708.7Having nonresilient and resilient components 708.8Means formed from single resilient wire 708.9Means formed from resilient sheet metal 709With independent, spaced, 711.1 .Penetrating portion includes relatively movable structure for resisting extraction portion 711.2 .Having specific wire penetrating portion 711.3Wire curved or bent 711.4 .Having distinct head structure	e ng
resilient components relatively movable structure 708.8Means formed from single for resisting extraction resilient wire 711.2Means formed from resilient portion sheet metal 711.3Wire curved or bent 709With independent, spaced, 711.4Having distinct head structure	ng
resilient components 708.8Means formed from single resilient wire 708.9Means formed from resilient sheet metal 709With independent, spaced, 711.2 relatively movable structure for resisting extraction portion portionWire curved or bentWire distinct head structure	ng
resilient wire 711.2 .Having specific wire penetration portion sheet metal 711.3 .Wire curved or bent 711.4 .Having distinct head structure	
708.9Means formed from resilient portion sheet metal 711.3Wire curved or bent 709With independent, spaced, 711.4 .Having distinct head structure	
sheet metal 711.3Wire curved or bent 709With independent, spaced, 711.4 .Having distinct head structure	ž
709With independent, spaced, 711.4 .Having distinct head structure	ş
	j
intermediate connections, or 711.5 Movably connected to	
formations (e.g., coils), penetrating portion	
about which portion or means 265 R STRAP-END-ATTACHING DEVICES	
move 265 A .Bendable sheet material	
709.1Includes slidable connection 265 B .Watch pintle connected	
709.2With pivotal connection between 265 C .Webbing to tube (lawn chair)	
penetrating portion and means 265 BC .Buckle connected	
709.3Connection also permits 265 EC .End clasp	
sliding movement 265 H .Hook	
709.4Resiliently biased about 265 AL .Ring-loop	
connection 265 CD .Cargo tiedown	
709.5With slidable connection 265 WS .Watch strap	
intermediate penetrating 265 EE .Enlarged end epoxy	
portion and means 267 PIVOTED EDGE STAYS	
709.6Having resilient bridging 703.1 FASTENER DESTRUCTIVELY SECURED I	BY
structure between portion and means means means	
709.7Means includes structure for	
703.2 Distorted structure having shap	эe
(e.g., cavity) formed on	
portion 703.3And distinct fastener structur	re
709.8And penetrating portion formed cooperating with impaled structure	
from wire	
709 9 Bridging structure includes	ıre
elongated nonwire element 703.5Including plural impaling	
710Wire also forms coiled	
bridging structure about which (e.g., split shank type)	. е
portion moves 704.1 READILY INTERLOCKING, TWO-PART	
710.1Including distinct device FASTENER REQUIRING EITHER	
for cooperating with coil DESTRUCTIVE OR TOOL	
710.2Having means also formed DISENGAGEMENT	
from same wire 704.2 .Including additional fastener	
710.3 .With cavity for guiding structure linking parts	
structure-to-be-secured 716 HANGER ON PORTABLE ARTICLE	
towards penetrating portion SUPPORT FOR MANUAL ATTACHMEN	íТ
(e.g., stocking support) SUPPORT FOR MANUAL ATTACHMEN THEREOF TO OVERHEAD SUPPORT	_
710.4 .Having penetrating portion (E.G., DRAPERY HOOK)	
retractable or of changeable	
length	

CROSS-REFERENCE ART COLLECTIONS

SHIRT COLLAR HOLDERS
PENETRATING-TYPE PAPER FASTENER
TUFTING BUTTON FASTENER
ARMPIT SHIELD FASTENER
GLOVE FASTENER
WATCH CHAIN FASTENER (E.G.,
SWIVEL HOOK)
FASTENER FOR ATTACHING BAND TO
WATCH OR SIMILAR ARTICLE
(E.G., NAME PLATE)
PLASTIC HOOK
FISHLINE SUPPORTED ATTACHMENT
HOOK
WINDERS FOR FLEXIBLE MATERIAL
ONE-PIECE

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collection listed below. These collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 100 SEPARABLE-FASTENER OR REQUIRED COMPONENT THEREOF (24/572)

- FOR 101 .With third, detached member completing interlock (24/ 573.1)
- FOR 102 .. And linking cavities in adjacent parallel panels (24/573.2)
- FOR 103 ..Third member includes independently engaged hooks for linking spaced cavities (24/573.3)
- FOR 104 ...And movably connected, noninserted gate for closing access throat of hook (24/573.4)

- FOR 105 ...Third member includes relatively movable, separate components (24/373.5)
- FOR 106 ...For parachute harness (24/ 573.6)
- FOR 107 .. Third member consists of unitary elongated element (24/573.7)
- FOR 108 .Each mating member having similarly shaped, sized, and operated interlocking face (24/575)
- FOR 109 ..Including elongated face having identical, parallel cross sections throughout its length (24/576)
- FOR 110 ..Including elongated face having varying, parallel cross sections throughout its length (24/577)
- FOR 111 ..Including complementary shaped and alternately useable interlocking faces (24/578)
- FOR 112 ...Single piece hook-shaped member (e.g., mating garment hooks) (24/579.1)
- FOR 113 .Including member having distinct formations and mating member selectively interlocking therewith (24/580)
- FOR 114 ..Formations positioned along wall forming mating-memberguiding cavity (24/581)
- FOR 115 ...Formations member having movably attached or biased interlocking structure (24/582)
- FOR 116 ..Formations member having movably attached or biased interlocking structure (24/583)
- FOR 117 ...Selectively interlocking member having movably attached or biased interlocking component (24/584)
- FOR 118 ... And cavity for guiding movement of formations (24/585)
- FOR 119 ..Having mounting means allowing repositioning of member for facilitating interlock (24/586)

FOR 120 .Including member having elongated, resilient,	DIG 30	SEPARABLE-FASTENER OR REQUIRED COMPONENT THEREOF
interlocking face with	DIG 31	.With third, detached member
identical, parallel cross-		completing interlock
sections throughout its length	DIG 32	And linking cavities in
(24/587)		adjacent parallel panels
FOR 121 .Including receiving member	DIG 33	Third member includes
having cavity and mating		independently engaged hooks
member having insertable		for linking spaced cavities
projection guided to interlock	DIG 34	And movably connected,
thereby (24/588)		noninserted gate for closing
FOR 122Having divergent interlock		access throat of hook
means distinct from cavity or	DIG 35	Third member includes
projection of its member (24/ 589)		relatively movable, separate
		components
FOR 123Projection or cavity rotates	DIG 36	For parachute harness
about axis of cavity access opening to interlock (24/590)	DIG 37	Third member consists of
FOR 124Having projection rotatably		unitary elongated element
connected to its member (24/	DIG 38	.Each mating member having
591)		similarly shaped, sized, and
FOR 125And operator therefor (24/	a	operated interlocking face
592)	DIG 39	Including elongated face having
FOR 126And position locking-means		identical, parallel cross
therefor (24/593)	DTC 40	sections throughout its length
FOR 127Including notch or hump on	DIG 40	Including elongated face having varying, parallel cross
projection axially biased by		sections throughout its length
spring (24/594)	DIG 41	Including complementary shaped
FOR 128Including radially biased	DIG II	and alternately useable
element engaging against		interlocking faces
relatively rotating surface at	DIG 42	Single piece hook-shaped member
connection (24/595)		(e.g., mating garment hooks)
FOR 129And spring for axially	DIG 43	.Including member having distinct
biasing projection (24/596)		formations and mating member
FOR 130Receiving member includes		selectively interlocking
either movable connection		therewith
between cavity components or	DIG 44	Formations positioned along
variable configuration cavity		wall forming mating-member-
(24/597)		guiding cavity
	DIG 45	Formations member having
		movably attached or biased
DIGEORG		interlocking structure
DIGESTS	DIG 46	Formations member having
DIG 0		movably attached or biased
DIG 8 PAPER CLIPS	5-6 45	interlocking structure
DIG 9 .Sheet material	DIG 47	Selectively interlocking member
DIG 10 .Wire		having movably attached or
DIG 11 ADHESIVE	DIG 48	biased interlocking componentAnd cavity for guiding
DIG 13 WEIGHTED CLIP OR CLAMP	DIG 40	movement of formations
DIG 16 MULTIFLEX STRAP DIG 17 MULTIFLEX AXIAL	DIG 49	Having mounting means allowing
	DIG 49	repositioning of member for
· ·		facilitating interlock
DIG 26 FLUID PRESSURE DIG 28 CO-PLANAR FLAT CLIP		
DIG 29 LAUNDRY DEVICE		

DIG 50	.Including member having elongated, resilient, interlocking face with identical, parallel crosssections throughout its length
DIG 51	.Including receiving member having cavity and mating member having insertable projection guided to interlock thereby
DIG 52	Having divergent interlock means distinct from cavity or projection of its member
DIG 53	
DIG 54	
DIG 55	And operator therefor
DIG 56	And position locking-means therefor
DIG 57	<pre>Including notch or hump on projection axially biased by spring</pre>
DIG 58	Including radially biased element engaging against relatively rotating surface at connection
DIG 59	And spring for axially biasing projection
DIG 60	Receiving member includes either movable connection between cavity components or variable configuration cavity